

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 3462.1010-000		APPLICATION NO. 10/509,785	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION June 20, 2005 (Use several sheets if necessary)		FIRST NAMED INVENTOR Hisashi Narimatsu		FILING DATE May 11, 2005	
		EXAMINER IQBAL CHAUDHURY		CONFIRMATION NO. 3100	
				GROUP 1646 1652	

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EXAMINER <i>Daniel Chon</i>	DATE CONSIDERED <i>3/13/06</i>
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PTO-1449 REPRODUCED INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION May 4, 2005 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3462.1010-000	APPLICATION NO. 10/509,785	
	FIRST NAMED INVENTOR Hisashi Narimatsu		FILING DATE IA filing date: 03/27/03
	EXAMINER I. Chowdhury	CONFIRMATION NO. 3100	GROUP 1652

FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO
22	B1	WO 98/56804 A1	12-17-1998	Human Genome Sciences, Inc.	
22	B2	WO 99/14328 A2	03-25-1999	Genentech, Inc.	
22	B3	WO 00/56891 A2	09-28-2000	Incyte Pharmaceuticals, Inc.	
22	B4	WO 01/04311 A1	01-18-2001	Genentech, Inc.	
22	B5	WO 01/53312 A1	07-26-2001	Hyseq, Inc.	
22	B6	WO 02/22660 A2	03-21-2002	Hyseq, Inc.	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
22	C1	Allen, A., et al., "Origin and structure of pathogenic IgA in IgA nephropathy," <i>Biochem. Soc. Trans.</i> , 25(2): 486-490 (1997).
22	C2	Allen, A., and Feehally, J., "IgA Glycosylation in IgA Nephropathy," <i>Adv. Exp. Med. Biol.</i> , 435: 175-183 (1998).
22	C3	Allen, A.C., et al., "Galactosylation of N- and O-linked carbohydrate moieties of IgA1 and IgG in IgA nephropathy," <i>Clin. Exp. Immunol.</i> , 100(3): 470-474 (1995).
22	C4	Allen, A.C., et al., "Leucocyte β 1,3 galactosyltransferase activity in IgA nephropathy," <i>Nephrol. Dial Transplant</i> , 12(4): 701-706 (1997).
22	C5	Greer, M. R., et al., "The nucleotide sequence of the IgA1 hinge region in IgA nephropathy," <i>Nephrol. Dial Transplant</i> , 13(8): 1980-1983 (1998).
22	C6	Hiki, Y., et al., "Serum IgA Class Anti-IgA Antibody in IgA Nephropathy," <i>Nephron</i> , 59(4): 552-560 (1991).
22	C7	Hiki, Y., et al., "O-linked Oligosaccharide on IgA1 Hinge Region in IgA Nephropathy," <i>Contrib. Nephrol.</i> , 111: 73-84 (1995).
22	C8	Hiki, Y., et al., "Association of Asialo-galactosyl β 1-3N- acetylgalactosamine on the Hinge with a Conformational Instability of Jacalin-Reactive Immunoglobulin A1 in Immunoglobulin A Nephropathy," <i>J. Am. Soc. Nephrol.</i> 7(6): 955-960 (1996).

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
g	C9	Hiki, Y., et al., "Reactivity of Glomerular and Serum IgA1 to Jacalin in IgA Nephropathy," <i>Nephron</i> , 72(3): 429-435 (1996).
g	C10	Iwase, H., et al., "Analysis of Glycoform of O-Glycan from Human Myeloma Immunoglobulin A1 by Gas-Phase Hydrazinolysis Following Pyridylation of Oligosaccharides," <i>Anal. Biochem.</i> , 206(1): 202-205 (1992).
g	C11	Iwase, H., et al., "Estimation of the Number of O-linked Oligosaccharides per Heavy Chain of Human Serum IgA1 by Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry (MALDI-TOFMS) Analysis of the Hinge Glycopeptide," <i>J. Biochem (Tokyo)</i> , 120(2): 393-397 (1996).
g	C12	Iwase, H., et al., "Abundance of Gal β 1,3GalNAc in O-Linked Oligosaccharide on Hinge Region of Polymerized IgA1 and Heat-Aggregated IgA1 from Normal Human Serum," <i>J. Biochem (Tokyo)</i> , 120(1): 92-97 (1996).
g	C13	Iwase, H., et al., "Application of matrix-assisted laser desorption ionization time-of-flight mass spectrometry to the analysis of glycopeptide-containing multiple O-Linked oligosaccharides," <i>J. Chromatogr. B. Biomed. Sci. Appl.</i> 709(1): 145-149 (1998).
g	C14	Iwase, H., et al., "Study of the Relationship between Sticky Human Serum IgA1 and its O-Glycan Glycoform," <i>Biochem. Biophys. Res. Commun.</i> , 261(2): 472-477 (1999).
g	C15	Iwase, H., et al., "Mutual separation of hinge-glycopeptide isomers bearing five N-acetylgalactosamine residues from normal human serum immunoglobulin A1 by capillary electrophoresis," <i>J. Chromatogr. B. Biomed. Sci. Appl.</i> , 728(2): 175-183 (1999).
g	C16	Iwase, H., and Hiki, Y., "Incompleteness of Mucin-Type Sugar Chain of Human Serum IgA1 as Possible Cause of IgA Nephropathy," <i>Trends in Glycoscience and Glycotechnology</i> , 11(59): 113-118 (1999).
g	C17	Iwase, H., et al., "Aggregated human serum immunoglobulin A1 induced by neuraminidase treatment had a lower number of O-linked sugar chains on the hinge portion," <i>J. Chromatogr. B. Biomed. Sci. Appl.</i> , 724(1): 1-7 (1999).
g	C18	Ju, T., et al., "Cloning and Expression of Human Core 1 β 1,3-Galactosyltransferase," <i>J. Biol. Chem.</i> , 277(1): 178-186 (2002).
g	C19	Ju, T., et al., "Purification, Characterization, and Subunit Structure of Rat Core 1 β 1,3-Galactosyltransferase," <i>J. Biol. Chem.</i> , 277(1): 169-177 (2002).

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
JR	C20	Ju., T., and Cummings, R. D., "A unique molecular chaperone Cosmc required for activity of the mammalian core 1 β -galactosyltransferase," <i>Proc. Natl. Acad. Sci. USA</i> , 99(26): 16613-16618 (2002).
JR	C21	Keusch, J., et al., "B lymphocyte galactosyltransferase protein levels in normal individuals and in patients with rheumatoid arthritis," <i>Glycoconj. J.</i> , 15(11): 1093-1097 (1998).
JR	C22	Kudo, T., et al., "Molecular Cloning and Characterization of a Novel UDP-Gal:GalNAc α Peptide β 1,3-Galactosyltransferase (C1Gal-T2), an Enzyme Synthesizing a Core 1 Structure of O-Glycan," 277(49): 47724-47731 (2002).
JR	C23	Kokuba, T., et al., "Protective Role of IgA1 Glycans Against IgA1 Self-Aggregation and Adhesion to Extracellular Matrix Proteins," <i>J. Am. Soc. Nephrol.</i> , 9(11): 2048-2054 (1998).
JR	C24	Leppänen, A., et al., "A Novel Glycosulfopeptide Binds to P-selectin and Inhibits Leukocyte Adhesion to P-selectin," <i>J. Biol. Chem.</i> , 274(35): 24838-24848 (1999).
JR	C25	Leung, J. C. K., et al., "Increased sialylation of polymeric immunoglobulin A ₁ : Mechanism of selective glomerular deposition in immunoglobulin A nephropathy?," <i>J. Lab Clin. Med.</i> , 133(2): 152-160 (1999).
JR	C26	Mestecky, J., et al., "Defective Galactosylation and Clearance of IgA1 Molecules as a Possible Etiopathogenic Factor in IgA Nephropathy," <i>Contrib. Nephrol.</i> 104: 172-182 (1993).
JR	C27	Saulsbury, F. T., "Alterations in the O-Linked Glycosylation of IgA1 in Children with Henoch-Schönlein Purpura," <i>J. Rheumatol.</i> , 24(11): 2246-2249 (1997).
JR	C28	Tanaka, A., et al., "Evidence for a site-specific fucosylation of N-linked oligosaccharide of immunoglobulin A1 from normal human serum," <i>Glycoconj. J.</i> , 15(10): 995-1000 (1998).
JR	C29	Wold, A. E., et al., "Characterization of IgA1, IgA2 and Secretory IgA Carbohydrate Chains Using Plant Lectins," <i>Adv. Exp. Med. Biol.</i> , 371A: 585-589 (1995).
JR	C30	Zhang, W. and Lachmann, P. J., "Glycosylation of IgA is required for optimal activation of the alternative complement pathway by immune complexes," <i>Immunology</i> , 81(1): 137-141 (1994).

EXAMINER <i>Abhaal Choudhury</i>	DATE CONSIDERED <i>3/13/06</i>
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